

Sr. No	Title of the publication	Primary Author	Name of the Journal	Indexing	Quartile	Date of publication	ISBN/ ISSN
1	BIODIESEL PRODUCTION FROM WASTE COOKING OILS: RELATING FEEDSTOCK QUALITY TO FUEL PROPERTIES	Samip Patil, Dattatray Hulwan, Vishal Kumbhar	Journal of Southwest Jiaotong University	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	ISSN:0258-2724,
2	Rheological, thermal and tribological performance of trimethylolpropane esters derived from high oleic non-edible oils: a sustainable biolubricant for industrial applications	Pawar, R.V., Hulwan, D.B.	Biomass Conv. Bioref	SCI/ SCIE/ ESCI	Q2	2024-25	2190-6815
3	The Crop Harvester Machine for Jowar and Bajra	Mukund Nalawade, Vivek Sanap, Vrushabh Warke, Anushka Turak, Varad Vanage, Shreyas Dalvi	YMER	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	440477
4	Suspension Based on Magnetic Effect for Vehicles	Mukund Nalawade, Sae Kshirsagar, Ravina Kubade, Ayush Kude, Aditya Kulkarni, Rohan Kulkarni	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	ISS No: 2321-9653
5	Application of Savonius Wind Turbine for Power Generation and its CFD Analysis	Srinivas Makarand Malvadar, Ronit Swapnil Relekar, Laukik Gopal Kharote, Amey Dhananjay Joshi, Suraj Santosh Jadhav, Shakil Abdul Hamid Shaikh	Journal of Engineering and Technology Management	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	09234748, 18791719
6	Smart Irrigation System	Riddhesh Nichit, Akshad Sanap, Vishal Pawar, Bhakti Ahire, Dhanashree Tonemare, Karan Nalugade, Mukund Nalawade, Nishant Kulkarni	Journal of Engineering and Technology Management	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	09234748, 18791719
7	Design, Structural Analysis, and Fabrication of a 3D Printed Spectacle Frame using PLA Material	Siddhesh Kishor Vispute, Sarthak Arun Dinde, Sahil Subhash Gholawade, Kaiwalya Abhay Kale, Omkar Lagad, Mukund Nalawade	Journal of Engineering and Technology Management	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	09234748, 18791719

8	IOT Based Smart Conveyor and Liquid Filling System	Aman N. Sayyed, Akansha S. Ghule, Arnav S Shirole, Umesh N. Thombre, Rutuja H. Pawar, Mukund Nalawade	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	e-ISSN 2349-6002
9	Automatic air hoses leakage prevention system	Yash S. Sonowane, Virendra P. Rajput, Umesh N. Thombre, Shaunak R. Gosavi, Antra J. Soni, Nishant Kulkarni, Mukund Nalawade, Akansha S. Ghule	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	e-ISSN 2349-6002
10	IOT-Based Smart Plant Monitoring System	Pratika.Dahinde, Gaurav. Nikalje, Gaurav.Dabhade, Khurram.Murad, Mukund Nalawade, Prof. Rupali Gavaraskar	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	e-ISSN 2349-6002
11	Axis Robotic Arm	Mukund Nalawade, Shantanu Jamadar, Saheb Hatkadke, Yash Jagtap, Akash Gadhawe	DASTAVEJ RESEARCH JOURNAL	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	ISSN:2348-7763
12	Depression coping app	Harsh Dange, Sahil Datrang, Krushna Datir, Archit Darade, Ayush Darund, Anurag Daunkar, Girish Kotwal	IJIRT	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	ISSN: 2349-6002
13	Bluetooth Control-Automatic Humidifier System	Girish.N.Kotwal, Prof. R.K.Bhagat, Sunidhi Chaudante, Nikita Deshmukh, Swarup Chopade, Nandini Chavhan	IJIRT	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	ISSN: 2349-6002
14	Bus Tracking and Monitoring System	Girish Kotwal, Chaitanyaa Deokar, Mandar Deotale, Aryan Desai, Purva Daundkar, Aftab Desai, Samyak Dawale	IJIRT	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	ISSN: 2349-6002
15	DEVELOPING AND EVALUATING A FUNCTIONAL MODEL FOR BRAKING REGENERATION	Kaiwalya A Kale ,Omkar G Lagad, Aman N Sayyed, Arnav S Shirole, Rutuja H Pawar, Gaurav B Nikalje, KhurramMurad, R. K. Bhagat	Journal of Engineering and Technology Management	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	ISSN: 1879-1719

16	Impact Analysis of a Go-Kart Chassis: An ANSYS Study	Karan Nalugade, Akshad Sanap, Vishal Pawar, Riddhesh Nicht, Bhakti Ahire, Dhanshree Tonemare, Rajkumar Bhagat	International Journal of Innovation research in Technology	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	2349-6002
17	Modal Analysis of Rotor Disc	Rajkumar Bhagat, Geetesh Rajurkar, Piyush Shingankar, Nikita Surwase, Shrushti Wakchaure, Siddharth Shimilkar	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	
18	Kinematic And Dynamic Analysis of Engine with respect to crank angle & Flywheel Design	Srinivas Malvadkar, Ronit Relekar, Laukik Kharote, Amey Joshi, Suraj Jadhav, Shakil Shaikh, Nitin Borse, Rajkumar. K. Bhagat	IJIRT	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	ISSN: 2349-6002
19	Innovations in Mechanical Engineering: Solar Water Heater with Active tracking	YASH SONOWANE, VIRENDRA RAJPUT, UMESH THOMBRE, SHAUNAK GOSAVI, ANTRASONI, AKANSHA GHULE, NITIN BORSE, RAJKUMAR BHAGAT	, IJIRT	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	ISSN: 2349-6002
20	Design and fabrication of diode laser engraving machine	Siddhesh Kishor Vispute, Sarthak Arun Dinde, Sahil Subhash Gholawade, Pratika Ganesh Dahinde, Gaurav Prakash Dabhade, Bodhisagar Bharat Satpute, Nitin.V.Borse, Rajkumar.K.Bhagat	IJIRT	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	ISSN: 2349-6002
21	Experimental Study of Temperature Distribution and Oil Flow Rate for Plain and Herringbone-Grooved Hydrodynamic Journal Bearing	Borse, N., Sonavane, H., Shinde, A., Chippa, S.	Lecture Notes in Mechanical Engineering. Springer, Singapore	Scopus	Q4	2024-25	2195-4364
22	Analysis of Thermoelastohydrodynamic Lubrication of Journal Bearing including the Effect of Surface Roughness and Cavitation	Baineni, N., Borse, N. & Chippa, S.	J. Inst. Eng. India Ser. D	Scopus	Q2	2024-25	2250-2130
23	Analysis and Evaluation of Rear Car Diffuser for Drag Reduction and Enhanced Downforce	Nitin Borse, Atharva Gumte, Shreeyash Gawade, Atharva Gawande, Mrunal Gorghate, Aditya Gite, Ishwari Ghaysundar	IJIRT	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	ISSN: 2349-6002

24	Thermo-mechanical analysis of upset forging of AISI 1045 steel by using deform 3D	Rajesh Chaudhari, Pratik Nidre, Ramkrishna Bharsakade	Materials Today: Proceedings	Scopus		2024-25	2214-7853
25	Conceptual Design of Automatic Solar Panel Cleaning Technique for Efficiency Improvements of Solar System	Ramkrishna Bharsakade, Rajesh Chaudhari, Darshan Deore, Jyoti Mohite, Aman Hadap, Vaibhav Tompe, Shreya Bhosale	Lecture Notes in Mechanical Engineering. Springer, Singapore	Scopus	Q4	2024-25	2195-4364
26	To study the effect of Ni particles on microstructures and mechanical properties of Indium-Bismuth solder alloy	Rajesh Chaudhari, Om Pardeshi, Disha Chandak, Tanya Barawkar, Gopal Dhanpalwar	Materials Today: Proceedings	Scopus		2024-25	2214-7853
27	Biodiesel synthesis from composite oil utilizing banana peel (Musa paradisiaca) derived catalyst and process parameter optimization using particle swarm method	S. Balamurugan, B.S. Manoj Prabhakar, Smita S. Kulkarni, P.S. Kalos, Ganesh Dongre, C. Karthikeyan	Journal of the Indian Chemical Society	SCI/ SCIE/ ESCI	Q2	2024-25	0019-4522
28	Comparative analysis of die-sinking EDM and near dry EDM for machining difficult-to-cut materials: Stainless Steel 316 and Hastelloy C276	Dongre, G., Kurlekar, A., Kaware, A., Kulkarni, K., Kulkarni, H.	International Journal of Manufacturing Technology and Management	Scopus	Q4	2024-25	1741-5195
29	Comparative Investigation of Dielectrics for Near Dry EDM Process Optimization	Kulkarni, A., Dongre, G. A	J. Inst. Eng. India Ser. D	Scopus	Q2	2024-25	2250-2130
30	Data-Driven and Machine-Learning-Based Real-Time Viscosity Measurement Using a Compliant Mechanism	Satpute, N. V., Mahajan, P., Bhagawati, A. M., Kulkarni, K. G., Utpat, K. M., Korwar, G. D., Tawade, J. V., Iwaniec, J., & Kołodziejczyk, K.	Applied Sciences	SCI/ SCIE/ ESCI	Q1	2024-25	2076-3417
31	Construction Of Ocean Wave Generator Test Rig for Wave Energy Harvesting	Ganesh Korwar, Nitin Satpute, Shreya Raut, Omkar Rasal, Rhutu Kulkarni, Rudrabhishek Choudhury, Atharva Salunkhe	Communications on Applied Nonlinear Analysis	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	1074133X

32	Dynamic Wireless Charging System for Electric Vehicles in Motion	Ganesh Korwar , Sankhya Desai, Shramanraj Chikhale , Samruddhi Deshmukh , Srushti Gade, Gaurav Deshpande	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	2321-9653
33	Wave energy converter with mechanical motion rectifier, motion regulator, and energy storage element	Nitin V Satpute, Ganesh Korwar, Mark Iwaniec, Joanna Iwaniec	Journal of Electrical Systems	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	1112-5201
34	Effect of battery connections topology on temperature rise for effective design of thermal management	Akshay B. Padalkar, Mangesh B. Chaudhari, Adinath M. Funde	International Journal of Thermal Sciences	SCI/ SCIE/ ESCI	Q1	2024-25	1290-0729
35	Effect of various parameters in circumferential fin-based hybrid thermal management for battery packs	Padalkar, A.B., Chaudhari, M.B., Funde, A.M., Nandi, S.	Journal of the Brazilian Society of Mechanical Sciences and Engineering	SCI/ SCIE/ ESCI	Q2	2024-25	1806-3691
36	Energy conversion and balance of Li-ion battery cell with emphasis on heat generation	Akshay B Padalkar, Mangesh B Chaudhari, Adinath M Funde	International Journal of Energy for a Clean Environment	Scopus	Q2	2024-25	2150-3621
37	DESIGN AND OPTIMIZATION OF C-FRAME RIVETTER	Pramod Kale, Abhishek Katore, Atharva Joshi, Geeta Kahane, Aryan Kakade, Shadab Kazi	Industrial Engineering Journal	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	0970-2555
38	Voice-Controlled Robots: Voice Interface in Robotic Systems	Pramod Kale, Rushikesh Gole, Swarup Kekan	INTERNATIONAL JOURNAL OF SCIENTIFIC RESEARCH IN ENGINEERING AND MANAGEMENT (IJSREM)	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	ISSN: 2582-3930

39	Solar-Shine: An IOT based Semi-Automated Solar Panel Cleaning Robot	Nishant Kulkarni, Riddhi Raul, Vanshika Rananavare, Vishal Purohit and Mayur Rokade	Grenze International Journal of Engineering and Technology	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	
40	Investigating the influence of rubber reinforcement on mechanical and vibration properties in glass and jute epoxy hybrid composite	Chavan, S., Kulkarni, N. & Mache, A	Multiscale and Multidisciplinary Model. Exp. and Des.	Scopus	Q2	2024-25	2520-8179
41	3D PRINTED PROSTHETICS FOR DOG	Sunil Shinde, Yash Thorat, Omkar Shingate, Shruti Jagtap, Sanap Sneha	Industrial Engineering Journal	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	0970-2555
42	A comprehensive study of performance metrics and potato dehydration at various slice thickness using an IoT-based indirect solar dryer: An experimental approach	Makarand Naniwadekar, Santosh Walke, Manoj Mandake, Ravi Tapre, Kalyan Patil, Sachin Komble	Solar Energy	SCI/ SCIE/ ESCI	Q1	2024-25	0038-092X
43	Performance Assessment of Petrol Engines with Hydrogen as an Alternative Fuel	Konkala Balashowry, M.V.R. Durga Prasad, V. Rathinam, Bapurao G. Marlapalle, Sachin P. Komble, Jagannath S. Gawande, Baban K. Suryatal	International Journal of Energy Production and Management	Scopus	Q2	2024-25	2056-3272
44	Reinforcement learning-driven airfoil optimization: Enhancing aerodynamic performance	Sawant, H.H., Komble, S.P., Gujar, R., Mandhare, N., Sable, M.J., Ambadekar, P.K., Gawande, S.H.	Mathematical Modelling of Engineering Problems	Scopus	Q3	2024-25	2369-0739
45	Machining of hybrid Al alloys: a metal cutting parameters measurement approach	A. J. Pawar, Ajeet B. Bhane, Sagar D. Shinde, Bapurao G. Marlapalle, S. P. Komble, R. N. Yerrawar, Prashant J. Ambhore & S. H. Gawande	JMST Adv.	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	2524-7913
46	Evaluation of Mechanical Properties of Corn Husk Fiber Reinforced LLDPE Composites	Kanchan Rajput, Pravin Gorde, Sachin Komble, Sanjay Salve	Nanotechnology Perceptions	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	ISSN 1660-6795

47	Manufacturing of Steering Casing Using VMC and Inspecting by CMM	Ojas Chougule, Madhuvanti Paradkar, Aniket Dharmadhikari, Sachin Komble	IJRASET	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	
48	Nano-Fluid Cooled Condenser in Air Conditioning for Energy Conservation	K. Balashowry, Putha Prasad Kumar, K. Aruna Prabha, V. V. D. Sahithi, Pankaj K. Jadhav, S. P. Komble, M. J. Sable, S. H. Gawande;	International Journal of Energy Production and Management	Scopus	Q2	2024-25	2056-3272
49	Design and Development of Smart Tiffin Box	Pranav Sharma, Pankaj Gaigole, Sunil Shinde	IJIRT	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	2349-6002
50	Solar Panel Efficiency Improvement by Tracking Mechanism: A Comparative Study	Vedant Nagmoti, Shriya Nagarkar, Shivam Nagulwar, Nandini Naik, Aarya Naiknaware, Radhesh Nalwade, Prof. Gajanan Gambhire	Mukt Shabd Journal	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	
51	Smart Water Flow Measuring Device	Gajanan Gambhire, Nihal Namdeo, Nandika Bansal, Aditya Narke, Krishna Narkhede, Pranav Navandar, Atharva Nawal	Mukt Shabd Journal	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	
52	Digital Sanctuaries for Environmental Awareness using AR/VR Technology	Gajanan Gambhire, Neharika Sharma, Nikhil Kelkar, Nayana Majeti, Vedant Nikam, Nikhil Kumar, Jairaj Nawgare	IJIRT	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	2349-6002
53	Design analysis of AISI 1080 and carbon fibre composite hybrid and conventional chassis	Chavan, U., Tagade, P., Chavan, A., Hujare, P.	Indian Journal of Engineering & Materials Sciences	Scopus	Q3	2024-25	0975-1017
54	Analysis of Spring Back Error in Pipe Bending	Hujare, P., Chavan, U., Hujare, D., Sakat, A., Ghodake, S.	Lecture Notes in Mechanical Engineering	Scopus	Q4	2024-25	2195-4364
55	Development of Multi-Compartment Dielectric Barrier Discharge Plasma Reactor for Innovative Water Treatment	Chavan, U., Hulwan, D., Harad, A., Gham, A., Bagale, P., Aphale, S., Ajgaonkar, S	Periodica Polytechnica Chemical Engineering	Scopus	Q3	2024-25	1587-3765

56	KINEMATIC MODELING AND ANALYSIS OF 3DOF ROBOTIC ARM	Umesh Chavan, Piyush Ambade, Tarunsing Pawar, Aditya Patki, Anantaraj Phulari, Rajvee Pardeshi	International Research Journal of Modernization in Engineering Technology and Science	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	2582-5208
57	Electrochemical performance evaluation of Ru-doped TiO ₂ synthesized via sol-gel approach	Aditya P. Adhyapak, Ankit R. Ransing, Vishal S. Kadam, Chaitali V. Jagtap, P. E. Lokhande, Udayabhaskar Rednam, V. T. Thavale, U. S. Chavan, Parag V. Adhyapak, and Habib M. Pathan	J Mater Sci: Mater Electron	SCI/ SCIE/ ESCI	Q2	2024-25	1573-482X
58	3D Printed – 4 Axis – Robot Manipulator	Avadhoot Rajurkar, Venkatesh Korde, Dhruv Kulkarni, Advait Kulkarni, Aradhay Kopulwar, Swapnil Kshirsagar	International Journal of All Research Education and Scientific Methods (IJARESM)	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	2455-6211
59), Implementation of Industry 4.0 in Manufacturing Industry: An Autonomous Mobile Robots Case Study	Dattatray Hulwan, Avadhoot Rajurkar, Adwait Gaikwad	International Journal of Performativity Engineering	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	2993-8341
60	Impact of Trunk - Loaded Luggage on Passenger Safety: A Computational Analysis	Laxmikant Mangate, Dhruwa Gokhale, Shantanu Dongardive, Aaryash Dugge, Shreyas Gaikwad, Pratik Garware	Journal of Emerging Technologies and Innovative Research (JETIR)	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	2349-5162
61	Energy Harvesting from Vehicle Suspension System Using Capstan Drive Mechanism	Laxmikant Mangate, Shreyash D Khamkar, Ayush A. Kude, Adwait.kharmale, Shefali S. Lohakare, Aditya R. Madale	IJIRT	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	2349-6002
62	Material Selection for Shell and Tube Heat Exchanger Using Computational Fluid Dynamics Method	Sunil Shinde, Laxmikant Mangate, Rudra Kochari, Gaurav Khochare, Sidhant Kokani	International Journal of Scientific Research in Engineering and Management (IJSREM)	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	2582-3930

63	Long Range Spy Robot With Vision	Laxmikant Mangate ,Siddhant Ghuge, Khushi Dighe, Suraj Dixit, Abhishek Khairnar, Sanvdea Gholap, Dhruv Patel, Dattatray Kharat	J. Electrical Systems	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	1112-5209
64	A Tribological Study of Antimony-Impregnated Graphite for Steam Mechanical Seals	Lathesh Madhavan, Rahul Waikar, Abhijeet Deshpande	SSRG International Journal of Mechanical Engineering	Scopus	Q4	2024-25	2348-8360
65	Smart Book Recommendation System	Ruturaj Sutar, Samarth Swami, Swara Yerawar, Kanchan Swami, Supriya Sutar, Suyash Bhavalkar, Rahul .A. Waikar	International Journal of All Research Education and Scientific Methods (IJARESM)	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	2455-6211
66	Design and Development of Sensor Based Glove for Speech Impaired People	Ketan Tajne, Swastik Jha, Swaraj Patil, Swayam Kanoje, Mangesh Tale, Abhjeet Takale, Rahul Waikar	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	2321-9653
67	Arduino and Python Face Recognition Based Accident Prevention System	Rahul Waikar, Tanmay Srivastava, Tanishkka Jadhav, Tanmay Singh, Rahul Pandita, Tanmay Bajad, Sujal Tawale	IJIRT	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	2349-6002
68	Decentralized Voting Application Using Blockchain	Rahul Waikar, Tanmay Srivastava, Tanishkka Jadhav, Rahul Pandita, Sujal Tawale, Tanmay Singh, Tanmay Baja	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	2321-9653
69	Brain Tumor Detection System	Ruturaj Sutar, Samarth Swami, Swara Yerawar, Kanchan Swami, Supriya Sutar, Suyash Bhavalkar, Rahul. A. Waikar	International Journal of All Research Education and Scientific Methods (IJARESM)	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	2455-6211

70	Comprehensive Towing Services Online	Ketan Tajne, Abhjeet Takale, Mangesh Tale, Swaraj Patil, Swastik Jha, Swayam Kanoje, Rahul Waikar	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	2321-9653
71	Investigations on ultrasonic vibration-assisted friction stir welded AA7075 joints: Mechanical properties and fracture analysis	Vaibhav Gaikwad, Satish Chinchanikar	Metal Working and Material Science, Metal Working and Material Science	Scopus	Q3	2024-25	19946309, 2541819X
72	Modeling turning performance of Inconel 718 with hybrid nanofluid under MQL using ANN and ANFIS	Kulkarni, P., & Chinchanikar, S	Fracture and Structural Integrity	Scopus	Q2	2024-25	19718993
73	Tool wear evaluation of self-propelled rotary tool and conventional round tool during turning Inconel 718	Chinchanikar, S., & Motgi, N	Fracture and Structural Integrity	Scopus	Q2	2024-25	19718993
74	Modeling and optimization of roller burnishing of Al6061-T6 process for minimum surface roughness, better microhardness and roundness	Dwivedi R., Somatkar A., Chinchanikar S	Obrabotka metallov (tehnologiya, oborudovaniye, instrumenty) = Metal Working and Material Science	Scopus	Q3	2024-25	19946309, 2541819X
75	Cutting force modeling during turning Inconel 718 using unitary Al ₂ O ₃ and hybrid MWCNT + Al ₂ O ₃ nanofluids under minimum quantity lubrication	Kulkarni, P., Chinchanikar, S.	Int J Interact Des Manuf	Scopus	Q2	2024-25	19552505, 19552513
76	A review of emerging hydroforming technologies: design considerations, parametric studies, and recent innovations	Chinchanikar, S., Harsh Mulik, Param Varude, Sameer Atole & Neha Mundada	J. Eng. Appl. Sci.	Scopus	Q2	2024-25	11101903, 25369512

77	A Review on Self-propelled Rotary Tools: A Comparative with Fixed-Tool Machining, Modeling, Design, and Developments	Motgi, N., Chinchani, S.	Lecture Notes in Mechanical Engineering	Scopus	Q4	2024-25	2195-4364
78	Green Manufacturing: A Global Perspective	Patil, S., Jadhav, P., Shinde, D., Pawar, S., Pawar, R., Chinchani, S	Lecture Notes in Mechanical Engineering	Scopus	Q4	2024-25	2195-4364
79	Investigating Cutting Forces During Hard Turning of EN 24 Steel: A Comparative Evaluation of MQL and Dry Cutting	Chinchani, S., Kulkarni, O., Dhond, P., Kumawat, M., Chaudhari, S	Lecture Notes in Mechanical Engineering	Scopus	Q4	2024-25	2195-4364
80	Investigation of Chip Thickness and Shear Angle During Turning AISI 304 Stainless Steel	Nirwal, R., Chinchani, S., Gadge, M., Tembhone, S., Thakare, R., Bhatkar, H	Lecture Notes in Mechanical Engineering	Scopus	Q4	2024-25	2195-4364
81	Investigation on Tool Life and Resultant Force During Turning of Hardened EN24 Steel Using Multilayer Coated Carbide Tool	Chinchani, S., Narkhede, G., Sasane, S.	Lecture Notes in Mechanical Engineering	Scopus	Q4	2024-25	2195-4364
82	A Comparative Analysis of Machining Performance During Turning SS304 Stainless Steel Under Dry and Compressed Air Cooling Conditions	Gangji, N., Maniyar, I., Jaiswal, R., Gangurde, P., Dhavad, U., Chinchani, S.	Lecture Notes in Mechanical Engineering	Scopus	Q4	2024-25	2195-4364
83	Investigation on polyvinyl butyral interlayered and ultrasonic vibration-assisted friction stir welded AA7075-T651 joints	Vaibhav S. Gaikwad and Satish Chinchani	Advances in Materials Research	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	22340912, 2234179X

84	Comparative evaluation of roller burnishing of Al6061-T6 alloy under dry and nanofluid minimum quantity lubrication conditions	Avinash Somatkar, Rashmi Dwivedi, Satish Chinchankar	Obrabotka metallov (tekhnologiya, oborudovaniye, instrumenty) = Metal Working and Material Science	Scopus	Q3	2024-25	19946309, 2541819X
85	Machinability studies with radial GD&T parameters during turning inconel 718 using a custom-designed self-propelled rotary tool: a GA-TOPSIS multi-objective optimisation approach	Satish Chinchankar & Nitin Motgi	Advances in Materials and Processing Technologies	Scopus	Q2	2024-25	2374-068X
86	Comparative Machinability Aspects of Austenitic and Duplex Stainless Steels During Dry Turning	Sonawane, G.D., Bachhav, R. & Kulkarni, A	JOM	SCI/ SCIE/ ESCI	Q2	2024-25	1047-4838,
87	Design and Numerical Simulation of Remotely Operated Vehicle for Underwater Exploration	K. Patil, D. Shinde, H. Choudhary, P. Kumar, S. Mahadik, A. Kulkarni and L. Deshpande	Int. J. Vehicle Structures & Systems	Scopus	Q4	2024-25	0975-3060
88	Experimental investigation of centrifugal pump machine and its faults through different type of DAQ system and selecting one based on statistical approach	G. S. Dave, A. P. Pandhare, A. P. Kulkarni, D.V Khankal & Masuk Abdullah	Cogent Engineering	Scopus	Q2	2024-25	2331-1916
89	Performance Analysis of Friction Materials for Brake Pad Application	Naren Kate and Atul Kulkarni	Int. J. Vehicle Structures & Systems	Scopus	Q4	2024-25	0975-3060
90	Qualitative evaluation of kerf taper angle of conventionally drilled holes in glass fiber epoxy composite	Patil DS, Bhoomkar MM, Sunheriya N, Giri J, Kulkarni A, Patil LN, Toke LK, Sathish T and Kanan M	Front. Mech. Eng.	Scopus	Q2	2024-25	2297-3079

91	A Comparative Study of Machine Learning Techniques for Predicting Mechanical Properties of Fused Deposition Modelling (FDM)-Based 3D-Printed Wood/PLA Biocomposite	Anerao, P., Kulkarni, A., Munde, Y., Kharate, N	Mechanics of Advanced Composite Structures	Scopus	Q3	2024-25	2423-7043
92	Explainable AI Techniques for Comprehensive Analysis of the Relationship between Process Parameters and Material Properties in FDM-Based 3D-Printed Biocomposites	Kharate, N., Anerao, P., Kulkarni, A., & Abdullah, M	Journal of Manufacturing and Materials Processing	Scopus	Q2	2024-25	2504-4494
93	Mechanical Characterization of Banana Fibers/PLA Biocomposite Samples Produced by Fused Deposition Modeling Based 3D Printing Using Taguchi Method	Amol Kolhe, Sachin Karale, Prashant Anerao, Yashwant Munde	SSRG International Journal of Mechanical Engineering	Scopus	Q4	2024-25	2348-8360
94	Mechanical Characterization of 3D-Printed Banana Fibers Reinforced PLA Biocomposite	Amol Kolhe, Sachin Karale, Prashant Anerao, Yashwant Munde	SSRG International Journal of Mechanical Engineering	Scopus	Q4	2024-25	2348-8360
95	Sensitivity and Principal Component Analysis-Driven Bayesian Optimization of Process Parameters for Enhancement of Mechanical Strengths in 3D-Printed Biocomposites	Prashant Anerao , Atul Kulkarni , Yashwant Munde , Namrata N. Wasatkar	Cureus J Eng	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	3059-202X
96	Rehabilitation Exoskeleton.: A Review Paper	Onkar Yannawar, Dr. Rahul Pol, Atharv Nangare, Vipul Pardeshi, Vishal Ghige, Sampada Dravid	International Journal For Multidisciplinary Research	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	

97	Optimizing Solar Energy Capture: A Comprehensive Review Of Solar Tracking Technologies	Harshada Kolekar, Aarti S. Pawar, Sampada Dravid, Shivaji Sitaram Gadadhe, Avinash A. Somatkar, Vijay Bhambere, Rahul Pol	Nanotechnology Perceptions	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	1660-6795
98	Enhancing surface quality of metal parts manufactured via LPBF: ANN classifier and bayesian learning approach	M. Arunadevi, G. Veerasha, Anil W. Kharche, Vinayak P. Suryawanshi, Shrishail B. Sollapur, Mitali S. Mhatre, Kaustubh R. Kapadani, Dattatraya Nalawade;	Int J Interact Des Manuf,	Scopus	Q2	2024-25	1955-2505
99	Design and Analysis of a Two-Stage Reduction Gearbox in All - Terrain Vehicle by using 18CrNiMo7 Materials	Gajanan Shankarrao Patange, Sunil Dambhare, Ganesh K Jadhav, Ajay D Diwate, Dattatraya Nalawade, Ravindra shivaji kolhe	Journal of Engineering and Technology Management	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	
100	Prediction of Wear Rate of Glass-Filled PTFE Composites Based on Machine Learning Approaches	Deshpande, A. R., Kulkarni, A. P., Wasatkar, N., Gajalkar, V., & Abdullah, M.	Polymers	Scopus	Q1	2024-25	2073-4360
101	Mesh Convergence Study on Side Bracket using Hex-dominant and Tetrahedron-dominant Mesh	Sukrut Kikale, Adnan Katkati, Atul Kulkarni, Ashok Mache, Abhijeet Deshpande and Shrikant Shinde	Int. J. Vehicle Structures & Systems	Scopus	Q4	2024-25	0975-3060
102	Solar Wind Energy: A Comprhensive Exploration Of A Future Renewable Resource	Harshada Kolekar, Tanuj Oswal, Abhishek Mote	International Journal of Creative Research Thoughts (IJCRT)	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	2320-2882
103	Numerical Simulation and Investigation of Flow Patterns Around Three Side-by-Side Cylinders Arranged in Line with an Oscillating Central Cylinder	Akshay A. Manikjade, Nitin H. Ambhore, Sandeep S. Kore, Dattatraya B. Nalawade, Parimal S. Bhambare, Disha S.Wankhede, Vidya S. Gaikwad	CFD Letters	Scopus	Q2	2024-25	2180 - 1363
104	Predictive Modelling For E-Commerce Logistics Using Minimum Redundancy Feature Selection and Deepsmote with Non-Linear Analysis	Somasekhar Donthu, P. Misba Marybai, G N P V Babu, Akshay Ashok Manikjade, Vijay Kumar Dwivedi, Neeru Malik	Journal of Computational Analysis and Applications	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	
105	Fatigue Analysis of Polylactide Manufactured by Fused Deposition Method of 3D Printing	Nitin Ambhore, Amol Dhupal, Om Borawake, Vijay Marathe and Dattatraya Nalawade	Journal of Mines, Metals and Fuels	Scopus	Q4	2024-25	0022-2755

106	Extraction and Reconstruction of Data Points from Computer aided Design Using Deep Learning	Amol Dhumal, Nitin Ambhore, Shyam Kolhe	J. Inst. Eng. India Ser. C	Scopus	Q2	2024-25	2250-0553
107	Numerical Optimization for Aerodynamic Performance of Nose Cone of FSAE Vehicle through CFD	Amol Dhumal, Nitin Ambhore, Pradip Tamkhade, Atharv Marne, Nihal Mujawar	CFD Letters	Scopus	Q2	2024-25	2180-1363
108	A comprehensive review on sensor supported monitoring of machining processes	Eswara Manikanta Javvadi, Santosh S, Nitin Ambhore and Dattatraya Nalawade	Engineering Research Express	Scopus	Q3	2024-25	2631-8695
109	Investigating Thermal Performance of Substrate Board through Forced Convection and Machine Learning	Amol Dhumal, Atul Kulkarni, Nitin Ambhore, Mathew Karvinkoppa	Journal of Advanced Research in Fluid Mechanics and Thermal Sciences	Scopus	Q3	2024-25	ISSN: 2289-7879
110	Optimization of Layered Hybrid Laminates Using ANSYS for Enhanced Tensile Properties and Performance Analysis	Ashish Apatte, Sanjeev Kumar, Nitin H. Ambhore	SSRG International Journal of Mechanical Engineering	Scopus	Q4	2024-25	2348-8360
111	Machining performance of SS304 steel with hybrid nano-cutting fluids using Taguchi-based grey relational analysis	J. E. Manikanta, N. Ambhore, C. Nikhare, N. K. Gurajala	JOURNAL OF MECHANICAL ENGINEERING AND SCIENCES	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	2289-4659
112	Experimental investigation of process parameters in Wire-EDM of Ti-6Al-4 V	Jagdale, M., Ambhore, N., Chaudhari, R., Atul Kulkarni & Masuk Abdullah	Sci Rep	SCI/ SCIE/ ESCI	Q1	2024-25	2045-2322
113	In the pursuit of educational excellence: investigating CSFs for implementing NEP 2020 to redefine the higher education ecosystem	Narkhede, G., Pasi, B., Dhamak, P., Mahalle, P. and Ambhore, N.	Journal of Applied Research in Higher Education	Scopus	Q1	2024-25	1758-1184
114	Sustainable machining: enhancing performance with vegetable oil-based nano cutting fluids	Manikanta, J.E., Ambhore, N., Nikhare, C. Naveen Kumar Gurajala & Hari Krishna Ch.	Discov Mater	Scopus	Q2	2024-25	2631-8695

115	Analysis of machining performance in turning with trihybrid nanofluids and minimum quantity lubrication	Manikanta, J.E., Abdullah, M., Ambhore, N. , & Tarun Kumar Kotteda	Sci Rep	SCIE	Q1	2024-25	2045-2322
116	Investigation of vegetable oil-based cutting fluids enhanced with nanoparticle additions in turning operations	Javvadi Eswara Manikanta, Nitin Ambhore , Gopala Rao Thellaputta	Obrabotka metallov (tekhnologiya, oborudovaniye, instrumenty) = Metal Working and Material Science	Scopus	Q3	2024-25	1994-6309
117	Effect of AA 6351-ZrB2 in-situ composition on dry sliding wear performance at elevated temperatures	Naveen Kumar Gurajala, Masuk Abdullah, Javvadi Eswara Manikanta, Nitin Ambhore	Oxford Open Materials Science	Scopus	Q2	2024-25	2633-6979
118	Predictive analytics of disc brake deformation using machine learning	Pravin Hujare, Praveen Rathod, Dinesh Kamble, Amit Jomde, Shalini Wankhede	Journal of Information & Optimization Sciences	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	0252-2667
119	Experimentation on Friction Welding of Aluminum Alloy with Dissimilar Metals to Determine Weld Strength of the Joint.	Chapke, Y., Kamble, D., Agrawal, D.	Lecture Notes in Mechanical Engineering. Springer	Scopus	Q4	2024-25	2195-4364
120	Mathematical Modeling and Comparative Analysis of Noise and Vibration Characteristics of CI Engine Fueled with Biodiesel	Ramesh Gawande, Suhas Sarje, Dinesh Washimkar, Sonal Shamkuwar	Advances in Nonlinear Variational Inequalities	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	1092-910X
121	Optimization for anti-vibration mount performance analysis	Pravin Hujare , Dinesh Kamble, Deepak Hujare, Sandeep Kore, Sonal Shamkuwar	Journal of Information & Optimization Sciences	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	0252-2667
122	An Approach towards Higher Efficiency and Stability in Unmanned Aerial Vehicle (Efficient Utilization and Vectoring of Thrust	Aashish Kawade, Dinesh N. Washimkar, Nitin H. Ambhore	LAP LAMBERT Academic Publishing	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	978-620-7-99874-6

123	Establish a Novel Mathematical Model-based Smart Health Monitoring System	Sameena Bano, Varsha Saknure, Dinesh Washimkar, V. Rajeswari, Y. Sherlin Nisha, Brinda Halambi	African journal of biological sciences	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	2663-2187
124	Current Scenario of Maintenance 4.0 and Opportunities for Sustainability-Driven Maintenance	Suhas H. Sarje, Manoj A. Kumbhalkar, Dinesh N. Washimkar, Rajesh H. Kulkarni, Maheswar D. Jaybhaye, Wadhah Hussein Al Doori	Advance Sustainable Science, Engineering and Technology (ASSET)	Non-Scopus / Non SCI/ Non UGC Journal Papers		2024-25	2715-4211
125	A predictive system based on experimental study of lubricant blended with composite additives	Kamble, D., Gadekar, T., & Ambhore, N.	Tribologia - Finnish Journal of Tribology	Scopus	Q2	2024-25	
126	INVESTIGATION OF OPTIMUM GEOMETRY FOR ROBOTICS TORQUE SENSOR	Mahadik, S. C., Deulgaonkar, V. R., Washimkar, D. N., Sarje, S. H., Bhosle, S. M. and Vetal, S	African Journal of Applied Research	Scopus	Q4	2024-25	2408-7920
127	Topology Optimization of Wind Turbine Structural Components	Vetal, S., Kamble, D	Lecture Notes in Mechanical Engineering	Scopus	Q4	2024-25	2195-4364
128	Towards a Super Smart Future: Integrating Industry 5.0 in Society 5.0	Ganesh B. Narkhede, Sonal Mahajan, Sandeep Kore, Rupesh Narkhede, Tansen Chaudhari	International Journal of Innovation and Technology Management	Scopus	Q2	2024-25	
129	Contactless Air Conveyor System for Handling Clean and Delicate Object Using Pressurized Air Flow	Prabhu, P., Pawase, S., Bhosale, P., Chaudhari, M.	Lecture Notes in Mechanical Engineering	Scopus	Q4	2024-25	2195-4364
130	Enhancement of Air Quality in Earth Tube Heat Exchangers	Chaudhari, M., Nevkar, O., Wadtile, O., Kanade, O., Paikrao, R., Mogal, M.	Lecture Notes in Mechanical Engineering	Scopus	Q4	2024-25	2195-4364
131	Twisted Tape Innovations: Enhancing Heat Transfer Efficiency in a Heat Exchanger	Chaudhari, M., Kulkarni, A., Mali, Y., Kumawat, V., Kulkarni, S., Kulkarni, A.	Lecture Notes in Mechanical Engineering	Scopus	Q4	2024-25	2195-4364

132	Design and Performance Analysis of Cooling Fan Propeller with Higher Flow Rate by Utilizing the Eppler 387 Airfoil	Anasune, A., Chaudhari, M.	Lecture Notes in Mechanical Engineering	Scopus	Q4	2024-25	2195-4364
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Sr. No.	Title of the publication	Primary Author	Name of the Conference	Conference Paper Indexing	Date of the conference
1	AI-Based Fault Detection and Predictive Maintenance in Wind Power Conversion Systems	D. B. Hulwan, Chitra S, Arun Chokkalingan, Krishna Kant Dixit, S. Subburam, Vandana Katarwar and S. Tharmar	International Conference on Renewable Energy Resources and Applications (ICRERA-2024), E3S Web Conf	Scopus/WoS/ Springer	24-25
2	Advanced Control Strategies for Multilevel Inverters in Renewable Energy Systems: Enhancing Power Quality and Efficiency	Myasar Mundher adnan, Ashish Sharma, Dr.T.Saravanan, Reena R, Prof. R K Bhagat, BhuvaneshwariJol ad, K. Kumaraswamy Naidu	International Conference on Renewable Energy Resources and Applications (ICRERA-2024), E3S Web Conf	Scopus/WoS/ Springer	24-25
3	Impact of Energy Storage Technologies on Grid-Connected Renewable Energy Systems	X. Ramy Riad Al-Fatlawy, S. Senthilkumar, Jeyalaxmi M, N.V. Borse, Kanchan Yadav, Milind Landage and D. Suresh Babu	International Conference on Renewable Energy Resources and Applications (ICRERA-2024), E3S Web Conf	Scopus/WoS/ Springer	24-25
4	A study of banana fiber based materials and their possible applications	Ganesh Dongre, Bhagyesh Lakhotia, Shreyash Lahare, Atharva Kuyate, Aditya Langhe, Saurabh Kulthe, Mansi Lambe, Niranjana Langade, Harsh Lambat	AIP Conf. Proc	Scopus/WoS/ Springer	24-25

5	Complex part machining on Hastelloy with 3D printing and electroplated PLA electrodes	Pramod Kale, Ganesh Dongre, Ghanshyam Mogle, Suryan Mukane, Deepak Munde, Mohammad Monis Umar, Nitesh Rahangdale, Atharva Korde	AIP Conf. Proc	Scopus/WoS/ Springer	24-25
6	Design and development of banana fiber machine	Ganesh Dongre, Bhagyesh Lakhotia, Shreyash Lahare, Atharva Kuyate, Aditya Langhe, Saurabh Kulthe, Mansi Lambe, Niranjan Langade	AIP Conf. Proc	Scopus/WoS/ Springer	24-25
7	Design and Optimization of Multilevel Inverters for Enhanced Power Quality in Renewable Energy Applications	S Yuvaraj, Hassan M Al-Jawahry, Neeraj Varshney, GG Dongre, Armaan Suhel Shaikh, MS Sujatha	International Conference on Renewable Energy Resources and Applications (ICRERA-2024), E3S Web Conf.	Scopus/WoS/ Springer	24-25
8	Investigation of laser parameters for nickel (Ni) cladding on SS 316-An experimental approach	Ganesh Dongre, Dhruwa Gokhale, Shantanu Dongardive, Aaryash Dugge, Shreyas Gaikwad, Pratik Garware	AIP Conf. Proc	Scopus/WoS/ Springer	24-25
9	Parametric analysis of pulsed nanosecond laser interaction with titanium alloy (Ti-6Al-4V)-variation of Groove Width and Roughness with LASER parameters	Ganesh Dongre, Mangesh Chaudhari, Dipak Padole, Ashay Patil, Samrudhi Patil, Sanket Patil, Pranav Nair, Nilesh Sirdeshmukh, Ravi Raut	AIP Conf. Proc	Scopus/WoS/ Springer	24-25

10	A study of banana fiber based materials and their possible applications	Ganesh Dongre, Bhagyesh Lakhota, Shreyash Lahare, Atharva Kuyate, Aditya Langhe, Saurabh Kulthe, Mansi Lambe, Niranjan Langade, Harsh Lambat	AIP Conf. Proc	Scopus/WoS/ Springer	24-25
11	Design and development of a water-surface combat robot with active attacking mechanism	A. Anasune and G. Korwar,	2024 4th International Conference on Emerging Frontiers in Electrical and Electronic Technologies (ICEFEET)	Non-Scopus/ NON WOS Conference Papers	24-25
12	Analytical method to reduce the temperature of the CVT	Mangesh Chaudhari, Neel Gujar, Shreyash Gurav, Parth Gurjar, Sumedh Habde, Adarsh Halake	AIP Conf. Proc.	Scopus/WoS/ Springer	24-25
13	Generation of solar energy and rain water harvesting	Vivek Sanap, Arya Sapre; Sanket Lavalekar; Pramod Kale	AIP Conf. Proc.	Scopus/WoS/ Springer	24-25
14	Phase Change Materials in Thermal Energy Storage: A Comprehensive Review of Properties, Advances, and Challenges	Pramod Kale, Prayas Gondane, Piyush Bhutada, Aditya Patil, Yog Patil, Rahul Yadav	International Conference on Sustainable Energy Technologies and Computational Intelligence (SETCOM)	Non-Scopus/ NON WOS Conference Papers	24-25
15	Mobile controlled 3D printed robotic arm with structural analysis	Nishant Kulkarni, Vrinda Parkhi, Mitali Kher, Sejal Kamble, Aditya Kokare, Astik Kaurase, Rudra Joshi	AIP Conf. Proc.	Scopus/WoS/ Springer	24-25

16	Nitinol Based heat Engine for Solar Energy Harvesting	Shivam Nitin Satpute, Sameer Ajay Sake, Pavitra Praveen Sardesai, Parth Sandip Sawant, Apurv Vaibhav Sarode, Varad Gangadharrao Sadegaonkar, Marek Iwaniec, Ramesh Narina, Anita Dombale, Nishant S Kulkarni,	IEEE 19th International Conference on the Perspective Technologies and Methods in MEMS Design (MEMSTECH)	Scopus/WoS/ Springer	24-25
17	Investigation of Magnetic Properties of Cryogenically Cooled Electrolyte Iron-Silicon (Fe-Si) Powder	N. Satpute, N. Kulkarni, S. Chippalkatti, A. Nikam, M. Iwaniec and R. Narina	2024 IEEE 19th International Conference on the Perspective Technologies and Methods in MEMS Design (MEMSTECH),	Scopus/WoS/ Springer	24-25
18	Proactive Electric Vehicle Braking System	Manas Wagle, Shrikar Wadadare, Soham Kature, Ved Rahangdale, Nishant Kulkarni	2024 4th International Conference on Emerging Frontiers in Electrical and Electronic Technologies (ICEFEET)	Non-Scopus/ NON WOS Conference Papers	24-25
19	Advanced Power Electronics for Efficient Integration of Renewable Energy into the Grid	S Senthil Kumar, SP Komble, Praveen SR Konduri, Rakesh Kumar, T Surulivel Rajan, Yogesh Khairnar, Hariprasad Tarigonda	International Conference on Renewable Energy Resources and Applications (ICRERA-2024)	Scopus/WoS/ Springer	24-25
20	Advancements in Proton Exchange Membrane Fuel Cells Improving Efficiency and Durability	Rakesh Kumar, A. Prabakaran, P.M. Gaigole, U. Esakkiammal, Divya N, Nitin Sherje and S. Ragu Nathan	International Conference on Renewable Energy Resources and Applications (ICRERA-2024)	Scopus/WoS/ Springer	24-25

21	Comparative Analysis of Supercapacitors vs. Batteries	Muntather Almusawi, Aasheesh Shukla, HEMALATHA S, P. Kavitha, G M Gambhire, Pankaj R Pardeshi, B. Pragathi	ICRERA-2024, E3S Web of Conferences	Scopus/WoS/ Springer	24-25
22	Integration of PV and Wind Energy Systems: Strategies for Balancing Energy Supply and Demand	Ramy Riad Al-Fatlawy, .S.Subburam, Anjani Kumar Rai, U. S. Chavan, R.Jayadurga, Yogesh Khairnar, B. Pragathi	ICRERA-2024, E3S Web of Conferences	Scopus/WoS/ Springer	24-25
23	Water Treatment Using Atmospheric Pressure Plasma: Dielectric Barrier Discharge and Corona Discharge Method, and Reactive Species Analysis	Umesh Chavan, Suvarna Patil	ICSTCE 2024, E3S Web of Conferences	Scopus/WoS/ Springer	24-25
24	Hydrogen Production via Electrolyzers: Enhancing Efficiency and Reducing Costs, International Conference on Renewable Energy Resources and Applications	T. Saravanan, Ammar Hameed Shnain, Himanshu Sharma, S. Sathiya Naveena, A.U. Rajurkar, Nitin Sherje and S. Ragu Nathan	(ICRERA-2024), E3S Web Conf.	Scopus/WoS/ Springer	24-25
25	Investigating the Effect of Heat Sink Material on Processor Thermal Management	Laxmikant Mangate; Siddhant Ghuge; Abhishek Khairnar; Suraj Dixit; Akshay Kale; Gayatri Hujare	5th International Conference on Innovative Research in Applied Science, Engineering and Technology (IRASET)	Non-Scopus/ NON WOS Conference Papers	24-25

26	Harnessing Wind Power for On-the-Go Device Charging: The Portable Mobile Charger Revolution	Laxmikant Mangate; Dhanraj Jadhav; Vikram Gavade; Loukik Deshmukh; Abhishek Gore; Gaurav	International BIT Conference (BITCON), Dhanbad	Non-Scopus/ NON WOS Conference Papers	24-25
27	Adaptive Energy Management System for Enhancing Efficiency and Reliability in Hybrid Renewable Energy Systems	L.D. Mangate, Haider Alabdeli, Rohit Agarwal, T. Saravanan, Janakiraman V, Nitin Sherje and K. Kumaraswamy Naidu	International Conference on Renewable Energy Resources and Applications (ICRERA-2024), E3S Web Conf	Scopus/WoS/ Springer	24-25
28	AI-Driven Optimization of Fuel Cell Performance in Electric Vehicles	Arti Badhoutiya, R Srisainath, KA Shirbavikar, P Bhuvaneshwari, Mohammed Al-Farouni, Jitendra Narkhede, Anil Kumar	International Conference on Renewable Energy Resources and Applications (ICRERA-2024)	Scopus/WoS/ Springer	24-25
29	Non-Newtonian fluid and it's analysis using various applications	Ketki Shirbavikar, Aayan Sayyed, Mallika Ambhore, Ishwari Anasane, Himanshu Angane, Anish Naikwadi	AIP Conf. Proc.	Scopus/WoS/ Springer	24-25
30	ChatGPT-Powered Robot: Smart, Interactive Living and Bridging the Future of Education and Entertainment	K. Thopate, M. Gawade, K. Shirbhavikar, M. Kulkarni, S. Lambor and K. N. Jaiswal,	2nd International Conference on Sustainable Computing and Smart Systems (ICSCSS), Coimbatore	Non-Scopus/ NON WOS Conference Papers	24-25
31	Mini CNC Milling Machine	Nirgude Suyash, Nikam Chetan, Rane Milind, Patil Avadhoot, Patil Pushkaraj, Shirbavikar Ketki	3rd International Conference on Disruptive Technologies (ICDT)	Non-Scopus/ NON WOS Conference Papers	24-25

32	Student Career Guidance Using Generative AI	Rahul Waikar, Shradhesh Tamhane, Tanmai Tale, Rujul Talekar, Ayush Tangde, Tanish Singla, Tanishka Kalokhe	International Conference on Artificial Intelligence and Quantum Computation-Based Sensor Application (ICAIQSA)	Non-Scopus/ NON WOS Conference Papers	24-25
33	Enhanced Power Quality in Photovoltaic-Fed Dynamic Voltage Restorer Using an Adaptive Grey Wolf Optimization Algorithm for Multilevel Inverter Control	Myasar Mundher adnan, SRISATHIRAPATHY S, Diwakar Bhardwaj, S Sivasubramanian, R A Waikar, Naveen Jain, R. Senthil kumar	International Conference on Renewable Energy Resources and Applications (ICRERA-2024)	Scopus/WoS/ Springer	24-25
34	Statistical Analysis of the Mechanical Properties of FDM 3D-Printed PLA-Based Composites	Munde, Y., Shinde, A., Anerao, P., Siva, I., Bhosale, A.	International Conference on Innovation, Sustainability, and Applied Sciences. ICISAS 2023	Scopus/WoS/ Springer	24-25
35	A Machine Learning Approach to Compressive Strength Prediction of 3D-Printed Biocha-Reinforced PLA Biocomposite	P. Anerao, A. Kulkarni, Y. Munde, N. Kharate and O. Wagh	IEEE Pune Section International Conference (PuneCon)	Scopus/WoS/ Springer	24-25
36	Advaya Bot - Radiologist Assistant Robot Development & its Usage in Healthcare Applications	Sampada Viraj Dravid, Nazeer Shaik2, Gurumeet C Wadhawa, S. Kaliappan, G. Pavithra, T.C. Manjunath	AIP Conf. Proc.	Scopus/WoS/ Springer	24-25
37	A Comprehensive Survey on Robo-Ethics	Ambhore, N., Khandarkar, Y., Pingale, D., Dravid, S., Ishi, P.	Intelligent Control, Robotics, and Industrial Automation. RCAAI 2023	Non-Scopus/ NON WOS Conference Papers	24-25